

What is claimed is:

sub a1
1. A valve comprising:

a housing formed with an outer surface and an inner surface;

said housing including an elastomeric membrane integrally molded to said inner surface, said membrane inner ^{side} surface defining a transverse opening in said housing; and,

a trigger body inserted into said transverse opening and rotatably mounted to said housing, said trigger body being formed with a inlet port, an outlet port in fluid communication with said inlet port and an aspiration port in fluid communication with said outlet port.

2. The valve of claim 1 wherein said housing is formed with an outlet aperture, an inlet orifice and an aspiration orifice, said outlet aperture, inlet orifice and aspiration orifice each extending through said housing from said outer surface to said membrane inner surface.

3. The valve of claim 2 wherein said trigger body is selectively aligned so that when said aspiration port is isolated from said aspiration orifice, said inlet port is in communication with said inlet orifice and said outlet port is in communication with said outlet aperture.

4. The valve of claim 2 wherein said trigger body is selectively aligned so that said inlet port is in communication with said inlet orifice, said outlet port is in communication with

said outlet aperture, and said aspiration port is in communication with said aspiration orifice.

97. The valve of claim 1 wherein said inlet port is partially defined by a lower inlet port surface, said outlet port is partially defined by a lower offset surface and said lower offset surface is offset from lower inlet port surface.

56. The valve of claim 2 further comprising:

a hollow handle having a first handle end attached to said outer surface in a surrounding relationship with said inlet orifice and having a second handle end extending radially outward from said housing, said handle defining a water passageway in fluid communication with said inlet orifice; and,

a coupling having a first coupling end attached to said outer surface in a surrounding relationship with said product orifice and having a second coupling end extending radially outward from said housing, said coupling defining a product passageway in fluid communication with said aspiration orifice.

56. The valve of claim 5 wherein said handle has a longitudinal axis that is co-extensive with said inlet orifice and further comprising a water inlet tube attached to said outer surface of said housing, said water inlet tube being concentric to said longitudinal axis and extending radially outward from said housing into said water passageway.

7 ~~8~~ ⁶ The valve of claim ~~7~~ wherein said coupling defines a transverse axis that is co-extensive with said aspiration orifice and further comprising a product tube attached to said outer surface of said housing so that said product tube is concentric to said product orifice and to said coupling, said product tube extending radially outward from said housing into said product passageway.

10 ~~9~~ The valve of claim 1 further comprising a deflector plate attached to said outer surface of said housing proximate to said outlet aperture, said deflector plate extending radially outward from said housing.

8 ~~10~~ ⁵ The valve of claim ~~9~~ wherein said second end comprises a plurality of flexible ring segments, each ring segment having a bead extending radially inward from said segment and further comprising:

a container having a neck formed with a plurality of grooves, each groove engaging a corresponding bead when said second end is attached to said neck.

suba 11. A hose sprayer assembly comprising:

a housing formed with a transverse opening and having a water passageway in fluid communication with said transverse opening, and further having a product passageway in fluid communication with said transverse opening; and,

a trigger valve inserted into said transverse opening, said trigger valve being formed with a water port, a mixture port in fluid communication with said water port and

~~a product port in fluid communication with said mixture port.~~

12. The assembly of claim 11 wherein said housing has an inner surface and an outer surface and is formed with an outlet aperture extending from said inner surface to said outer surface.

13. The assembly of claim 12 wherein said trigger valve is selectively aligned so that when said product port is simultaneously isolated from said product passageway, said water port is in communication with said water passageway and said mixture port is in communication with said outlet aperture.

^{Sub 3} 14. The assembly of claim 12 wherein said trigger valve is selectively aligned so that said water port is in communication with said water passageway, said mixture port is in communication with said outlet aperture, and said product port is in communication with said product passageway.

¹³ 15. The assembly of claim 11 wherein said mixture port is offset from said water port.

¹⁴ 16. The assembly of claim 11 wherein said water passageway has a longitudinal axis and further comprising a water inlet tube attached to said outer surface of said housing, said water inlet tube being coextensive with said longitudinal axis and extending outward from said housing into said water passageway.

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18. A method for spraying an aspirated liquid/liquid mixture comprising the steps of:

- A) providing an annular housing formed with an outer surface and an inner surface;
- B) integrally molding an elastomeric membrane having a membrane inner surface to said inner surface, said membrane inner surface defining a transverse opening in said housing;
- C) inserting a trigger body into said opening, said trigger body being formed with an inlet port, an outlet port in fluid communication with said inlet port, and an aspiration port in fluid communication with said outlet port;
- D) rotatably mounting said trigger body in said housing; and
- E) simultaneously placing said inlet port in fluid communication with a pressurized first liquid source and placing said aspiration port in fluid communication with a second liquid source.